

**STATEMENT OF WORK  
For  
Voice Recording System**

**September 19, 2011**

**1 GENERAL BACKGROUND:**

The purpose of this project is to have CVDS Inc. - ComLog Digital Voice Recorders replaced; the two current voice recording systems that are not operational. The recording system is located at Building 4824, NASA Dryden Flight Research Center (DFRC), Edwards AFB, CA.

**2 INSTRUCTIONS:**

**PRICING AND PERIOD OF PERFORMANCE**

Bids must be all inclusive to supply a recording system that meets all the requirements.

**3 REQUIREMENTS:**

- A.** Replace current DLS2420 72 channel recorder with new Voice Recorder capable of recording 96 Channels and expandable up to 192 Channels.
- B.** Recorder must be 4U rack mountable chassis. Space is limited and the current requirement only allows room for two 4U Chassis.
- C.** Recorder must include four single span passive T1 Inputs capable of recording 96 separate channels. (24 per T1.)
- D.** Internal RAID-1 500GB Hard Drive array capable of hot swappable, for recording 50,000-85,000 hours of instant recall for voice channels.
- E.** Hot Swappable power supplies
- F.** 25 foot input cables for passive T1 interfacing.
- G.** Recorder must be able to expand and record analog inputs from Telephone/Radio Interface - 2 wire analog, 4 wire analog
- H.** Recorder must include software licenses to accommodate six simultaneous accessible users to access instant recall of recordings.
- I.** The existing CVDS tapes which were recorded using CVDS software and therefore the new equipment shall be capable of playing back the

original data. Our current recorder playback function is inoperable and we must have a new system that is capable to playback the existing archived inventory.

- J.** The system must include a fully independent software application to be installed onto a separate PC that will monitor the Recorders' system status.
- K.** Must provide single login capable of monitoring both recorders from a single graphical user interface with a real time visual screen of recorded Channel Activity Indicator.
- L.** Support: 24/7 Phone Technical Support is required for the lifetime of the equipment. In addition, please specify length of Technical Support. Specify support cost, if any, for the life of the product.
- M.** Recorder must include an independent, processor controlled, "watchdog" circuit to actively and continuously monitor the status and health of the recorder. This circuit MUST directly communicate with the software of the recorder whereby should the system software become unstable, a system reset would result. This independent processor must also control front panel indicators to show system status and alarms. The system MUST include a set of dry-alarm contacts (both normally open and normally closed) at the rear of the unit to be connected to an external alarm system. The alarm contacts must indicate "major" alarms and "minor" alarms separately.
- N.** The system must include an independent archiving solution that can be installed onto and run on a separate Windows based hardware platform for long-term archiving. An archiving solution that relies upon "drive mapping" within the recorder itself will not be acceptable. The system must not rely upon any type of Windows networking.
- O.** Recorder must include input sensitivity variable from -60dBm to +10dBm.
- P.** Recorder must include gain adjustment variable from -10dB to +20dB.
- Q.** Recorder must include instant recall using full online hard drive buffer.
- R.** Recorder must include instant message retrieval less than 0.5 seconds.
- S.** Recorder must include IRIG-B Time Synchronization.
- T.** Recorder must record in MP3/WAV formats.

**U.** Clear audio is required.

**V.** All offerors must demonstrate at no cost to Arcata Associates, Inc. or the Government their capability to meet all Statement of Work requirements. The testing of the equipment is the sole responsibility of the supplier and Arcata Associates, Inc. and/or the Government shall not be held responsible during the test and evaluation.

#### **4 REQUIRED PARTS:**

These two separate recording systems shall come ready to be installed; no additional parts should be required.

#### **5 DELIVERABLES:**

Provide two recording systems that are ready to replace our current systems. Provide manuals and installation instructions. Provide on-site training at no additional cost. Recorders must be delivered and operable within 60 days after award.